

SEE SHEET 2
FOR CONTACT DIMENSION DETAILS

ELECTRICAL:
INSULATOR RESISTANCE: 5 GΩ MIN.
WORKING VOLTAGE: 250V
OPERATING TEMPERATURE: -55°C TO +125°C
POWER CONTACT RESISTANCE: 1.0 mΩ MAX.
SIGNAL CONTACT RESISTANCE: 10 mΩ MAX.
POWER CONTACT AMPERAGE: SEE P/N KEY
SIGNAL CONTACT AMPERAGE: 5 AMPS

MECHANICAL:
CONTACT INSERTION FORCE: 4.5 Kg MAX.
CONTACT SEPARATION FORCE: 0.3 Kg MIN.

MATERIALS:
CONTACTS: COPPER ALLOY, GOLD FLASH
INSULATOR: PBT UL94V-0 RATED
SHELL: 230°C PROCESS TEMP.
BRACKET: NICKEL PLATED STEEL
BOARD LOCK: NICKEL PLATED STEEL
NICKEL PLATED BRASS

681M7W2103LYYY

0 = 40 AMP POWER // STANDARD PCB TAILS
1 = 40 AMP POWER // 2.22mm PCB TAILS
2 = 20 AMP POWER // STANDARD PCB TAILS

0 = NO HARDWARE
1 = 0.098" CN PCB SIDE
2 = 0.236" CN PCB SIDE
3 = 0.236" CN MATING SIDE
4 = 0.237" BOARDLOCK PCB SIDE
5 = 0.224" BOARDLOCK PCB SIDE

1 = GOLD FLASH

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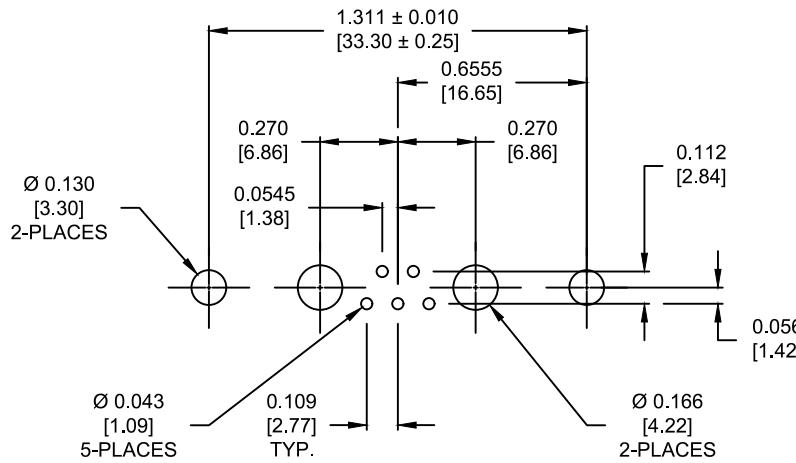
DRAWN:
P. JENKINS
DATE:
08/22/2011

UNITS = inches [mm]

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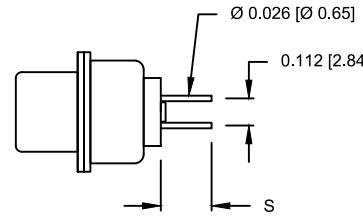
SCALE: NTS	SHEET 1	OF 3	REV 2
DWG NO.			681M7W2103LYYY



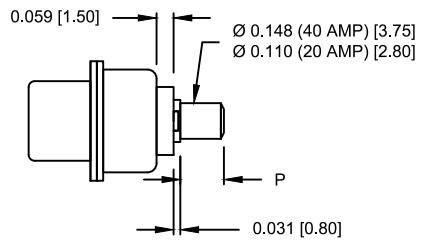
NOTE:
SIGNAL AND POWER CONTACTS
COME PRE-LOADED INTO INSULATORS

DIMENSIONS(in/mm)		
OPTION	S	P
0 & 2	0.218	0.177
	5.55	4.50
1	0.118	0.087
	3.02	2.22

SIGNAL CONTACTS



POWER CONTACTS



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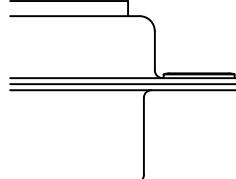
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SCALE: NTS	SHEET 2	OF 3	REV 2
DWG NO. 681M7W2103LYYY			

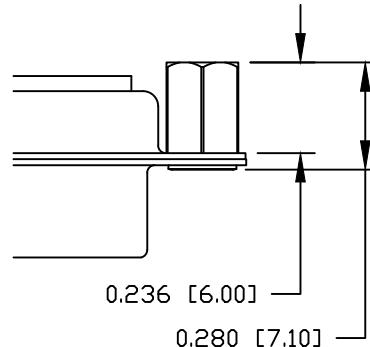
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ± 0.010

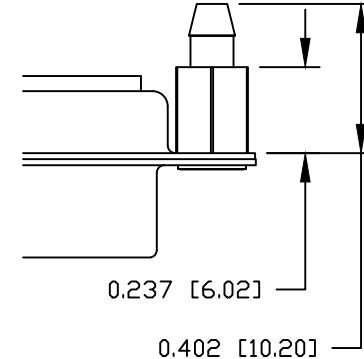
0 NO HARDWARE



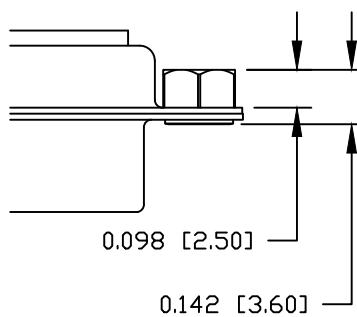
2 0.236" PCB SIDE



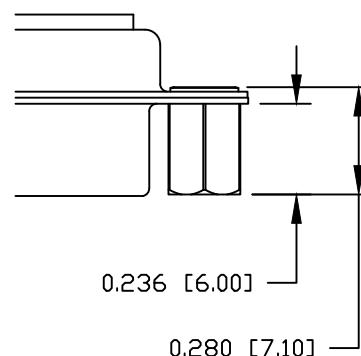
4 0.237" PCB SIDE



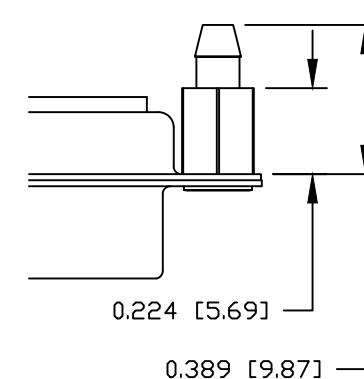
1 0.098" PCB SIDE



3 0.236" MATING SIDE



5 0.224" PCB SIDE



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